

Title (en)
SCRAPING APPARATUS FOR THE PAPER INDUSTRY

Title (de)
SCHABVORRICHTUNG FÜR DIE PAPIERINDUSTRIE

Title (fr)
APPAREIL DE RACLAGÉ POUR L'INDUSTRIE PAPETIÈRE

Publication
EP 2169114 A4 20131120 (FR)

Application
EP 08736714 A 20080227

Priority
• ES 2008000112 W 20080227
• ES 200701941 A 20070711

Abstract (en)
[origin: US2010018661A1] Scraping apparatus for the paper industry, of the type which consists of a scraping blade (l), a support (s) for the scraping blade (l) with a pivot swivel pin (e) with respect to a tray (4), said tray being supported (4) on the frame (b) of the apparatus, characterized because magnetic means are used to exert magnetic forces between the tray (4) or from the fixed element to it and the frame (b), and there are means of action on said magnetic means to activate/deactivate the magnetic forces between the tray (4) and the frame (b). The magnetic means consist of at least one zone (z) of ferromagnetic material and several permanent magnets or electromagnets (1) placed on the tray (4)-frame (b) in a conjugate/ corresponding manner.

IPC 8 full level
D21G 3/00 (2006.01)

CPC (source: EP ES US)
D21G 3/00 (2013.01 - ES); **D21G 3/005** (2013.01 - EP US)

Citation (search report)
• [AD] EP 1042554 B1 20030312 - KADANT WEB SYSTEMS INC [US]
• [A] EP 1541761 A1 20050615 - VOITH PAPER PATENT GMBH [DE]
• See also references of WO 2009007473A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2010018661 A1 20100128; US 7972481 B2 20110705; BR PI0806815 A2 20110913; CA 2672556 A1 20090115; CA 2672556 C 20140603; CN 101755091 A 20100623; CN 101755091 B 20120502; EP 2169114 A1 20100331; EP 2169114 A4 20131120; EP 2169114 B1 20170830; ES 2310976 A1 20090116; ES 2310976 B1 20091119; ES 2650447 T3 20180118; WO 2009007473 A1 20090115

DOCDB simple family (application)
US 52404608 A 20080227; BR PI0806815 A 20080227; CA 2672556 A 20080227; CN 200880024169 A 20080227; EP 08736714 A 20080227; ES 08736714 T 20080227; ES 200701941 A 20070711; ES 2008000112 W 20080227